Sheet 1 of 4

FORM PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

608.0006USU

Application Number

09/758,006

Applicant

Anselm Deninger et al.

Filing Date

January 10, 2001

Group Art Unit

Not Yet Assigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Car	5,545,396	8/13/96	Albert et al.	424	93	
Car	5,557,199	9/17/96	Bowman et al.	324	301	
Car	5,612,103	3/18/97	Driehuys et al.	428	34.7	
Car	5,617,860	4/8/97	Chupp et al.	128	653.4	
Car	5,642,625	7/1/97	Cates, Jr. et al.	62	55.5	
Car	5,789,921	8/4/98	Albert et al.	324	300	
Car	5,785,953	7/28/98	Albert et al.	424	93	
Car	5,809,801	9/22/98	Cates, Jr. et al.	62	637	
Car	5,860,295	1/19/99	Cates, Jr. et al.	62	637	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
Car	19927773.7	8/29/68	Germany				No
Car	WO95/27438	10/19/95	PCT			Yes	
Car	WO97/37239	10/9/97	PCT			Yes	
Car	WO96/40585	12/19/96	PCT			Yes	
Car	WO96/39912	12/19/96	PCT			Yes	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Car	"Determination of the Neutron Electric Form Factor from the Reaction $^3\text{He} (e, \epsilon n)$ at Medium Momentum Transfer" The European Physical Journal A 6, pp.329-344, 1999.
Car	"Measurement of the Neutron Electric Form Factor $G_{en}$ at 0.67 (GeV/c) $^2$ via $^3\text{He} (e, e n)$ ", Physical Review Letters, Volume 83, Number 21, pps. 4257-4260, November 22, 1999.
Car	" $^3\text{He}$ Neutron Spin-Filter", W. Heil et al., Physica B, pp. 328-335, 1999.

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DATE CONSIDERED

11/12/04

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Sheet 2 of 4

FORM PTO-1449		Docket Number (Optional) <b>608.0006USU</b>		Application Number <b>09/758,006</b>		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Applicant <b>Anselm Deninger et al.</b>				
		Filing Date <b>January 10, 2001</b>		Group Art Unit <b>Not Yet Assigned</b>		
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)						
<b>CaR</b>	"Nuclear Magnetic Resonance Imaging of Airways in Humans with Use of Hyperpolarized <sup>3</sup> He", Bachert et al., Magnetic Resonance in Medicine, pp. 192-196, 1996.					
<b>CaR</b>	"Nuclear Magnetic Resonance Imaging with Hyperpolarised Helium-3", Ebert et al., The Lancet, Vol. 347, No. 9011, pp. 1297-1299, May 11, 1996.					
<b>CaR</b>	"MRI using Hyperpolarized Noble Gases", Kauczor et al, European Radiology 8, pp. 820-827, 1998.					
<b>CaR</b>	"MR Imaging and Spectroscopy of the Human Chest Using Polarized <sup>129</sup> Xe Gas", Mugler et al., Draft document, Department of Radiology and Biomedical Engineering (University of Virginia Health Sciences Center) & Department of Physics (Princeton University), pp. 1-17, October 2, 1996.					
<b>CaR</b>	"Ultrafast MR-Imaging of Lung Ventilation Using Hyperpolarized Helium-3", Schreiber et al.					
<b>CaR</b>	"Quantification of Regional Intrapulmonary Oxygen Partial Pressure Evolution During Apnea by <sup>3</sup> He MRI", Deninger et al., Journal of Magnetic Resonance 141, pps. 207-216, 1999.					
<b>CaR</b>	"Nuclear Spin-Lattice Relaxation in the presence of Magnetic-Field Gradients", Scheerer et al., Physical Review, Volume 139, No. 5A, pps. 1398-1403, August 30, 1965.					
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DATE CONSIDERED <b>11/10/01</b>						
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Sheet 3 of 4

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

608.0006USU

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09/758,006

Applicant

Anselm Deninger et al.

Filing Date

January 10, 2001

Group Art Unit

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## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Car	"Relaxation of Spins Due to Field Inhomogeneities in Gaseous Samples at Low Magnetic Fields and Low Pressure", Cates et al., Physical Review A, Volume 37, No. 8, pp. 2877-2855, 1988.					
Car	"Polarization of $^3\text{He}$ Gas by Optical Pumping", Colegrove et al., Physical Review, Volume 132, No. 6, pp. 2561-2573, 1963.					
Car	"Optical Pumping in $^3\text{He}$ with a Laser", Nacher et al., Journal De Physique 46, No. 12, pp. 2057-2073, 1985.					
Car	"A Dense Polarized $^3\text{He}$ Target Based on Compression of Optically Pumped Gas", Eckert et al., Nuclear Instruments & Methods in physics Research, Section A, pp.53-65, 1992.					
Car	"Accurate Optical Measurement of Nuclear Polarization in Optically Pumped $^3\text{He}$ Gas", Bigelow et al., Journal de Physique 2, pp. 2159-2179, 1992.					
Car	"NMR Calibration of Optical Measurement of Nuclear Polarization in $^3\text{He}$ ", Lorenzon et al., Physical Review A, Vol. 47, No. 1, pp. 468-479, 1993.					
Car	"Very Long Nuclear Relaxation Times of Spins Polarized Helium 3 in Metal Coated Cells", Heil et al., Physic Letters A, pp. 337-343, 1995.					
Car	" $^3\text{He}$ Neutron Spin-Filter", Heil et al., Physica B, pp. 328-335, 1999.					
Car	"Nuclear Relaxation of $^3\text{He}$ in the Presence of $\text{O}_2$ " Saam et al., Physical Review A, Vol. 52, No. 1, pp. 862-865, 1995.					
Car	"Gaseous $^3\text{He}$ - $^3\text{He}$ Magnetic Dipolar Spin Relaxation", Newbury et al., Physical Review A, Vol. 48, No. 6, pp. 4411-4420, 1993.					

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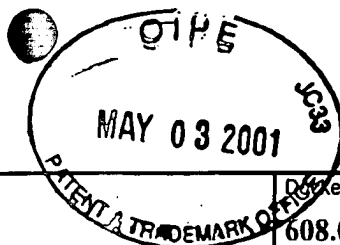
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		Filing Date <b>January 10, 2001</b>		Group Art Unit <b>Not Yet Assigned</b>		
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)						
<b>car</b>	"Study of Mechanical Compression of Spin-Polarized <sup>3</sup> He Gas", Becker et al., Nuclear Instruments and Methods in Physics Research A, pp. 45-51, 1994					
<b>car</b>	"Spatially Resolved Measurements of Hyperpolarized Gas Properties in the Lung <i>in vivo</i> . Part I: Diffusion Coefficient", Chen et al., Center for <i>In Vivo</i> Microscopy, Duke University Medical Center, pp. 1-8, June 24, 1999.					
<b>car</b>	"Entwicklung und Test eines <sup>3</sup> He-Neutron-Spinfilter", Reinhard Surkau, Dissertation, August 1995.					
<b>car</b>	"High-Volume Production of Laser-Polarized <sup>129</sup> Xe", Driehuys et al., Department of Physics, Princeton University, July 8, 1996.					
<b>car</b>	"RMP Colloquia : Spin-Exchange Optical Pumping of Noble-Gas Nuclei", Walker et al., Reviews of Modern Physics, Vol. 69, No. 2, pp. 629-641, April 1997.					
<b>car</b>	"Polarized Helium-3 Production and Transport System", Hasson et al., Abstract: Magnetic Imaging Technologies, Inc.					
<b>car</b>	"Realization of a Broad Band Neutron Spin Filter with Compressed, Polarized <sup>3</sup> He Gas", Surkau et al., Nuclear Instruments and Methods in Ohysics Research A, pp. 444-450, 1997.					
<b>car</b>	"Highly Polarized <sup>3</sup> He for Lung-MRI", Surkau et al., Abstract: Department of Physics, University of D-55099 Mainz, Germany.					
EXAMINER <b>Frey</b>			DATE CONSIDERED <b>11/10/01</b>			
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